

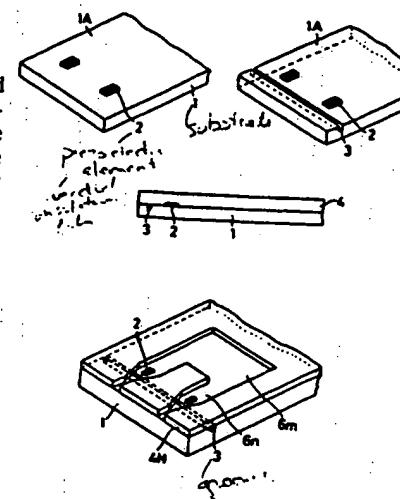
JA 0224740
DEC 1983

(54) INK JET RECORDING HEAD

(11) 58-224760 (A) (43) 27.12.1983 (19) JP
 (21) Appl. No. 57-109449 (22) 25.6.1982
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 (51) Int. Cl. B41J3/04

PURPOSE: To prevent the occurrence of separation of a membrane of hardened photosensitive resin from a substrate on which it is formed by such an arrangement wherein at least one groove is provided at the edge of the substrate where ink discharging nozzles are to be formed, or at such portion of the substrate between the edge and a portion on which an ink discharge pressure generating element is provided.

CONSTITUTION: On a substrate 1 of glass, ceramic, etc., an ink discharge pressure generating element 2 such as piezoelectric element, etc., is arranged, and it is preferably covered with an electric insulation film and a layer for giving ink resistivity, and after that, more than one groove 3 (depth of 10~150μm is preferable) are provided at such a portion of the substrate 1 between the ink discharge pressure generating element 2 and a portion which becomes an ink discharge nozzle, or at the portion which becomes ink discharge nozzle to give anchor effect to a layer of photosensitive resin to be coated thereon. Next, on the surface 1A, by using photosensitive resin, an ink passage 4H is formed by photolithography method and an ink jet head is obtained by covering the surface with a lid.

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